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ARRT CT Registry Exam Practice Questions and 100% Correct Verified Answers| 2023/2024 Newly Updated

QUESTION
During CT arthrography, iodinated contrast media is injected directly into the:

Answer:
Joint space

QUESTION
Which of the following is considered one of the iso-osmolar contrast media?

Answer:
Iodixanol

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QUESTION
A common site for the IV administration of iodinated contrast media is the anterior recess of the elbow, otherwise known as the

Answer:
antecubital space

QUESTION
The potentially serious decline in renal function following the IV administration of contrast material is called.

Answer:
contrast-induced nephrotoxicity

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QUESTION
The quantity of absorbed radiation dose based on the radiosensitivity of a particular tissue type is called

Answer:
effective dose

QUESTION
Advantages of a saline flush immediately following the IV administration of iodinated contrast material include:

Answer:
Reduction in required contrast agent dose, reduction in the incidence of contrast-induced nephrotoxicity (CIN), reduction of streaking artifact from dense contrast agent in the vasculature.

QUESTION
Which of the following medications may be administered to dilate the coronary vasculature prior to a cardiac CT examination.

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Answer:
sublingual nitroglycerine.

QUESTION
A normal range for diastolic blood pressure in an adult is

Answer:
60-90 mm Hg

QUESTION
Which of the following is a parenteral route of medication administration.

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Answer:
Intramusclar

QUESTION
Which of the following methods may be employed to reduce the radiation dose to the pediatric patient undergoing CT

Answer:
Reduce MA, limit phases of acquisition, increase pitch

QUESTION
Radiation exposure and its potentially harmful effects have a relationship that is termed

Answer:
stochastic

QUESTION
Which of the following types of isolation techniques protects against infection transmitted through fecal material.

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Answer:
Enteric precautions

QUESTION
Which of the following is considered one of the ionic radiopaque contrast media (RCM)

Answer:
Iothalmate meglumine

QUESTION

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The radiation dose index calculation that takes into account the variations in absorption across the field of view due to beam hardening is termed.

Answer:
CTDI(W)

QUESTION
Direct contraindications to the administration of iodinated contrast material include.

Answer:
Prior life-threatening reaction to iodinated contrast material

QUESTION
Which of the following units is used to express the total patient dose from a helically acquired CT examination.

Answer:
mGy-cm (millygrays per centimeter)

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QUESTION
Components of a comprehensive CT stroke management protocol typically include

Answer:
Pre-contrast sequence of the brain, CTA of the brain and carotids, CT perfusion (CTP) of the brain

QUESTION
Simple cysts of the kidney have average attenuation values in the range of:

Answer:
0- +20 Hounsfield units

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